The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 534,538

Source:

Date Processed by STIC: 2/24/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
> **http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10 534 538

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
Wrapped Aminos was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will
prevent "wrapping."

2____Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3____Misaligned Amino The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers;
Numbering use **space characters**, instead.

4____Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please
ensure your subsequent submission is saved in ASCII text.**

5____Variable Length Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules,
each n or Xaa can only represent a single residue.** Please present the **maximum** number of each
residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____PatentIn 2.0 A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
"bug" sequences(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for
Artificial or Unknown sequences.**

7____Skipped Sequences Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8____Skipped Sequences Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
(NEW RULES) <210> sequence id number
<400> sequence id number
000

9 .____Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

10____Invalid <213> Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or
Response scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or
is Artificial Sequence. (see item 11 below)

11 .____Use of <220> Sequence(s) ___ missing the <220> "Feature" and associated numeric identifiers and responses. Use
of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown."
Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as
explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of
Sequence Rules

12____PatentIn 2.0 Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
"bug" resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____ Misuse of n/Xaa "n" can **only** represent a single <u>nucleotide</u>; "Xaa" can **only** represent a single <u>amino acid</u>

PCT

RAW SEQUENCE LISTING　　　　　　　　DATE: 02/24/2006
PATENT APPLICATION:　US/10/534,538　　TIME: 12:45:48

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Output Set: N:\CRF4\02242006\J534538.raw

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     4         XI, CAIXIA
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AND
     7         THE USE OF IT
     9 <130> FILE REFERENCE: 272331US0PCT
    11 <140> CURRENT APPLICATION NUMBER: US 10/534,538
    12 <141> CURRENT FILING DATE: 2005-05-12
    14 <150> PRIOR APPLICATION NUMBER: PCT/CN03/00967
    15 <151> PRIOR FILING DATE: 2003-11-14
    17 <150> PRIOR APPLICATION NUMBER: CN 100039
    18 <151> PRIOR FILING DATE: 2002-11-14
    20 <160> NUMBER OF SEQ ID NOS: 29
    22 <170> SOFTWARE: PatentIn version 3.3
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RAW SEQUENCE LISTING   DATE: 02/24/2006
PATENT APPLICATION: US/10/534,538   TIME: 12:45:48

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Output Set: N:\CRF4\02242006\J534538.raw

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Invalid response

← see item #10 on error summary Sheet.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING   DATE: 02/24/2006
PATENT APPLICATION: US/10/534,538   TIME: 12:45:48

Input Set : A:\272331US0PCT.ST25.txt
Output Set: N:\CRF4\02242006\J534538.raw

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343 ctctgccatc ccgagtggaa gagcggagat tactggattg acccgaacca gggctgcacc 3720
345 ttggacgcca tcaaagtatt ctgcaacatg gagacgggcg agacctgcgt ctacccgacc 3780
347 cccagcagca tccccaggaa gaactggtgg accagcaaga cgaaagacaa gaagcacgtc 3840
349 tggtttgcag agaccatcaa cggcggtttc cacttcagct acggcgatga gaacctgtcc 3900
351 cccaacaccg ccagcatcca gatgaccttc ctgcgcctcc tgtccaccga gggctcccag 3960
353 aacgtcacct accactgcaa gaacagcatc gcctacatgg acgaggagac gggcaacctg 4020
355 aagaaagcca tcctcatcca gggatccaac gacgtggaga tcagagccga gggcaacagc 4080
357 aggttcacct acagcgtctt ggaggacggc tgcacgaaac acactggcaa atggggcaag 4140
359 acggtgatcg agtaccggtt gcagaagacc tcgcgcctgt ccattgtaga tactgcacct 4200
361 atggacattg gcggagccga tcaggagttt ggcgtggata ttggcccagt ctgcttcttg 4260
363 taaaaagggt tgttgttatt tgtgtgtttg tttgttgttt ggttgttgtt ttttgtttct 4320
365 ttttttttttt tttttagaaa agaaaggaat ccagcccaat cccataaaag caaaccagtc 4380
367 ccaccccccag gacccgcacg ttcccagcac aacttctgca ctgaacggat ggcacgaccc 4440
369 cgcgccccttt cgggaccctc cggcgccgtc accgggcaga ctgcgaaata caaccacggg 4500
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,538

DATE: 02/24/2006
TIME: 12:45:48

Input Set : A:\272331US0PCT.ST25.txt
Output Set: N:\CRF4\02242006\J534538.raw

```
371 cttatattta tttattgcct tcctggaagg cctggtttcg tagggcgggt ggaggtggga   4560
373 atcaatctgg caggtgtgac ggccccctc cccacaaagg gatctggcaa acgcaggtat    4620
375 cgcgaatccc ctcccctccc cgtgtatcac cagcaggagt gctaatgtat catacaacag    4680
377 aaatggtgct attcttgtaa aacaagtctg tatttttaa catcagttga tataaaaaca     4740
379 acaaaaaaaa aaacttttgg tggaaagtaa aaaaaacaaa aaaaaaaaa aaa            4793
382 <210> SEQ ID NO: 3
383 <211> LENGTH: 1420
384 <212> TYPE: PRT
385 <213> ORGANISM: Chicken
387 <400> SEQUENCE: 3
389 Met His Gly Arg Arg Pro Pro Arg Ser Ala Ala Leu Leu Leu Leu Leu
390  1               5                   10                  15
393 Leu Leu Leu Thr Ala Ala Ala Ala Ala Gln Asp Arg Asp Leu Arg Gln
394              20                  25                  30
397 Pro Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Asp Ile Lys Asp Val
398          35                  40                  45
401 Val Gly Pro Arg Gly Pro Pro Gly Pro Gln Gly Pro Ala Gly Glu Gln
402      50                  55                  60
405 Gly Gln Arg Gly Asp Arg Gly Glu Lys Gly Glu Lys Gly Ala Pro Gly
406 65                  70                  75                  80
409 Pro Arg Gly Arg Asp Gly Glu Pro Gly Thr Pro Gly Asn Pro Gly Pro
410              85                  90                  95
413 Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly Leu Gly Gly Asn Phe
414              100                 105                 110
417 Ala Ala Gln Met Ala Gly Gly Phe Asp Glu Lys Ala Gly Gly Ala Gln
418          115                 120                 125
421 Met Gly Val Met Gln Gly Pro Met Gly Pro Met Gly Pro Arg Gly Pro
422      130                 135                 140
425 Pro Gly Pro Thr Gly Ala Pro Gly Pro Gln Gly Phe Gln Gly Asn Pro
426 145                 150                 155                 160
429 Gly Glu Pro Gly Glu Pro Gly Ala Ala Gly Pro Met Gly Pro Arg Gly
430              165                 170                 175
433 Pro Pro Gly Pro Pro Gly Lys Pro Gly Asp Asp Gly Glu Thr Gly Lys
434              180                 185                 190
437 Pro Gly Lys Ser Gly Glu Arg Gly Pro Pro Gly Pro Gln Gly Ala Arg
438          195                 200                 205
441 Gly Phe Pro Gly Thr Pro Gly Leu Pro Gly Val Lys Gly His Arg Gly
442      210                 215                 220
445 Tyr Pro Gly Leu Asp Gly Ala Lys Gly Glu Ala Gly Ala Pro Gly Ala
446 225                 230                 235                 240
449 Lys Gly Glu Ser Gly Ser Pro Gly Glu Asn Gly Ser Pro Gly Pro Met
450              245                 250                 255
453 Gly Pro Arg Gly Leu Pro Gly Glu Arg Gly Arg Pro Gly Pro Ser Gly
454              260                 265                 270
457 Ala Ala Gly Ala Arg Gly Asn Asp Gly Leu Pro Gly Pro Ala Gly Pro
458          275                 280                 285
461 Pro Gly Pro Val Gly Pro Ala Gly Ala Pro Gly Phe Pro Gly Ala Pro
462      290                 295                 300
465 Gly Ser Lys Gly Glu Ala Gly Pro Thr Gly Ala Arg Gly Pro Glu Gly
```

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 02/24/2006

PATENT APPLICATION: US/10/534,538

TIME: 12:45:49

Input Set : **A:\272331US0PCT.ST25.txt**
Output Set: **N:\CRF4\02242006\J534538.raw**

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/534,538**

DATE: 02/24/2006
TIME: 12:45:49

Input Set : **A:\272331US0PCT.ST25.txt**
Output Set: **N:\CRF4\02242006\J534538.raw**